

# APPENDIX 159C

## UNITIZATION PROCEDURES FOR BOXED AMMUNITION AND COMPONENTS ON 4-WAY ENTRY PALLETS

PRIMER, ELECTRIC, PACKED 45 PER WOODEN BOX,  
UNITIZED 18 BOXES PER 40" X 48" PALLET; APPROX  
BOX SIZE 20 $\frac{3}{4}$ " L X 16 $\frac{11}{16}$ " W X 10 $\frac{7}{32}$ " H

PALLET UNIT DATA						
ITEMS INCLUDED		HAZARD CLASSIFICATION <sup>Ⓢ</sup>				WEIGHT  (LBS)
NSN	DODIC	DOT CLASS	CG CLASS	QD CLASS	COMP GROUP	
1390- 01-054-5135	N555	C	III	(04)1.2	G	1,399

NOTICE: THIS APPENDIX CANNOT STAND ALONE BUT MUST  
BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION  
PROCEDURES DRAWING 19-48-4116-20PA1002.

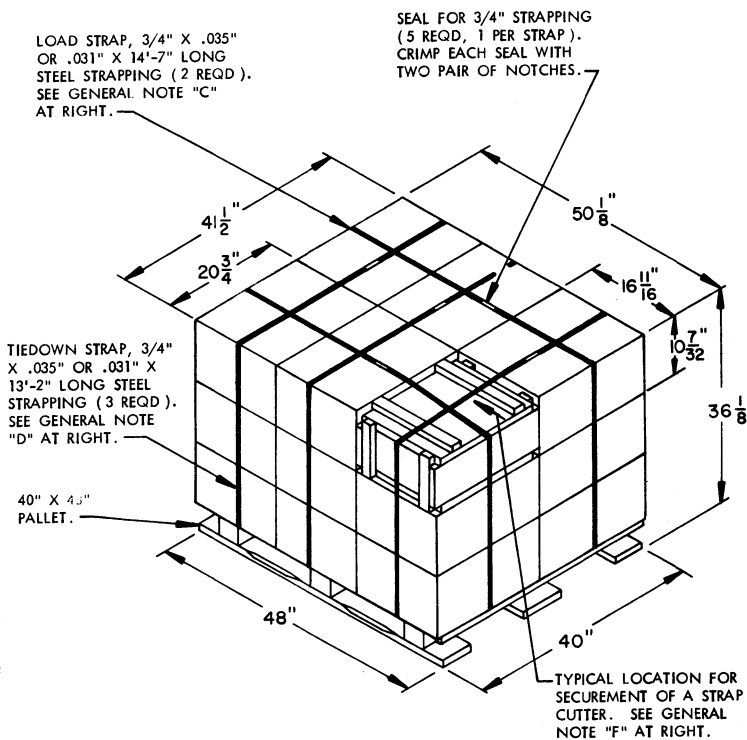
Ⓢ HAZARD CLASSIFICATION DATA CONTAINED IN THE ABOVE CHART IS  
FOR GUIDANCE AND INFORMATIONAL PURPOSES ONLY. VERIFICATION  
OF THE SPECIFIED DATA SHOULD BE MADE BY CONSULTING THE MOST  
RECENT JOINT HAZARD CLASSIFICATION SYSTEM LISTING OR OTHER  
APPROVED LISTING(S).

REVISIONS				DRAFTSMAN bh	PROJ ENG [Signature]
				CHECKER GKS	LOGGING OFFICE [Signature]
<small>APPROVED, U.S. ARMY AMMUNITION, MUNITIONS AND CHEMICAL COMMAND</small>					
<small>APPROVED BY ORDER OF COMMANDING GENERAL, U.S. ARMY MATERIAL COMMAND (AMC) [Signature]</small>					
<small>U.S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL</small>					
<b>U.S. ARMY AMC DRAWING</b>					
<b>JANUARY 1985</b>					
CLASS	DIVISION	DRAWING	FILE		
19	48	4116/ 159C	20PA 1002		

DO NOT SCALE

**GENERAL NOTES**

- A. THIS APPENDIX CANNOT STAND ALONE BUT MUST BE USED IN CONJUNCTION WITH THE BASIC UNITIZATION PROCEDURES DRAWING 19-48-4116-20PA1002. TO PRODUCE AN APPROVED UNIT LOAD, ALL PERTINENT PROCEDURES, SPECIFICATIONS AND CRITERIA SET FORTH WITHIN THE BASIC DRAWING WILL APPLY TO THE PROCEDURES DELINEATED IN THIS APPENDIX. ANY EXCEPTIONS TO THE BASIC PROCEDURES ARE SPECIFIED IN THIS APPENDIX.
- B. DIMENSIONS, CUBE AND WEIGHT OF A PALLET UNIT WILL VARY SLIGHTLY DEPENDING UPON THE ACTUAL DIMENSIONS OF THE BOXES AND THE WEIGHT OF THE SPECIFIC ITEM BEING UNITIZED.
- C. THE LOAD STRAPS MAY BE THREADED THROUGH THE STRAP SLOTS OF THE PALLET OR PREPOSITIONED ON THE PALLET DECK PRIOR TO PLACING BOXES ON THE PALLET. LOAD STRAPS WILL BE TENSIONED AND SEALED PRIOR TO APPLICATION OF TIEDOWN STRAPS.
- D. INSTALL EACH TIEDOWN STRAP TO PASS UNDER THE DECK BOARDS OF THE PALLET AND TO BE LOCATED AS SHOWN. TIEDOWN STRAPS WILL NOT BE APPLIED UNTIL THE LOAD STRAPS HAVE BEEN TENSIONED AND SEALED.
- E. THE FOLLOWING DARCOM DRAWINGS ARE APPLICABLE FOR OUTLOADING AND STORAGE OF THE ITEMS COVERED BY THIS APPENDIX.
  - CARLOADING ----- DRAWING 19-48-4115-5PA1002
  - TRUCKLOADING ----- DRAWING 19-48-4117-11PA1003
  - STORAGE ----- DRAWING 19-48-4118-1-2-3-4-14-22PA1002
- F. FOR METHOD OF SECURING A STRAP CUTTER TO THE PALLET UNIT, SEE DARCOM DRAWING 19-48-4127-20P1000.
- G. IF ITEMS COVERED HEREIN ARE UNITIZED PRIOR TO ISSUANCE OF THIS APPENDIX, THE BOXES NEED NOT BE REUNITIZED SOLELY TO CONFORM TO THIS APPENDIX.
- H. THE UNITIZATION PROCEDURES DEPICTED HEREIN MAY ALSO BE USED FOR UNITIZING ELECTRIC PRIMERS, WHEN IDENTIFIED BY DIFFERENT NATIONAL STOCK NUMBERS (NSN) THAN WHAT IS SHOWN ON THE TITLE PAGE, PROVIDED THE BOX PACK DOES NOT VARY FROM WHAT IS DELINEATED HEREIN. THE EXPLOSIVE CLASSIFICATION OF OTHER ITEMS MAY BE DIFFERENT THAN WHAT IS SHOWN.



**PALLET UNIT**

SEE GENERAL NOTE "B" AT RIGHT.

16 BOXES OF ELECTRIC PRIMERS (43 PER BOX) .. 73 LBS .....	1,314 LBS (APPROX)
DUNNAGE .....	5 LBS
PALLET .....	80 LBS
<b>TOTAL WEIGHT .....</b>	<b>1,399 LBS (APPROX)</b>
<b>CUBE .....</b>	<b>43.5 CU FT (APPROX)</b>

**BILL OF MATERIAL**

PALLET, 40" X 48" .....	1 REQD .....	80 LBS
STEEL STRAPPING, 3/4" .....	68.67 REQD .....	4.91 LBS
SEAL FOR 3/4" STRAPPING .....	5 REQD .....	NIL

